Ethernet over VDSL2 Converter (AnnexB)

VDS-0201

H/W Version: 1

Why convert Ethernet to VDSL?

The LevelOne VDS-0201 converts your data from Ethernet to VDSL, making it easy to send high-bandwidth data over long distances. This new technology uses traditional twisted-pair telephone wiring instead of expensive Cat.5 cables.

New technology = cost-effective deployment

When using VDSL2 (Very High Speed Digital Subscriber Line) technology, users can transmit data up to 300 meters without having to add expensive Ethernet switches or cables to extend the network reach. And with 100Mbps downstream and 60Mbps upstream, VDSL2technology provides ample space for all high bandwidth usage.

Fast transfer speeds? Yes. Easy Installation? Yes.

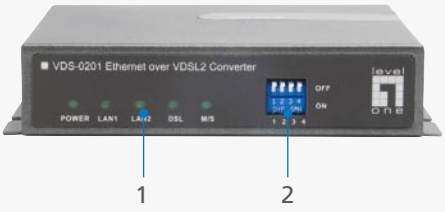
VDS-0201 works especially well in applications where traditional copper phone lines are already installed: apartments, condominiums, hotels, university campus, etc. There is no need to run expensive Ethernet cables and installers can easily integrate VDSL technology into the existing network. The VDS-0201 is plug and play ready and requires minimum installation time.

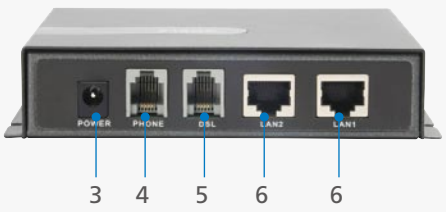
Customized settings

Each VDS-0201 also allows for customized settings for advanced use. Using a built-in DIP switch, users can customize the behavior of the device to match the desired network configuration.

Annex B

For networks that utilize ISDN telephone systems.





1. LEDs
2. Dip Switch
3. Power Port
4. Telephone Port
5. VDSL2 Interface
6. 10/100Mbps Ports

Key Features

- Supports a VDSL connection up to 2km over single pair copper wire
- Provides100Mbps downstream and 60Mbps upstream over 300m
- Features selectable Fast and Interleaved modes
- Selectable fixed data rate and fixed SNR margin
- Features 4 Dip Switches for Configuration Settings
- Low-Latency for Video/Voice/Data applications

Works Well With

FSW-0811
8-Port Fast Ethernet Switch

WBR-6001
N_Max Wireless Broadband Router

Technical Specification

VDSL Transmission
ITU-T G.993.1/2, SG15Q4 DMT Compliance
Trellis Code with 1024 DMT bins
Max Data Rate: 100/60 Mbps
1 x RJ-11 Port for DSL
1 x RJ-11 Port for Telephone

LAN Interface
Auto-Detection for 10/100 BaseT and Half/Full duplex
High performance bridge for Ethernet extension
Fully compatible with IEEE802.3/IEEE802.3u
Automatic MDIX Function
RJ-45 Connector x 2
ITU-T G.993.1/2, SG15Q4 DMT Compliance
Trellis Code with 1024 DMT bins

LEDs
Power, LAN1, LAN2 , DSL, M/S

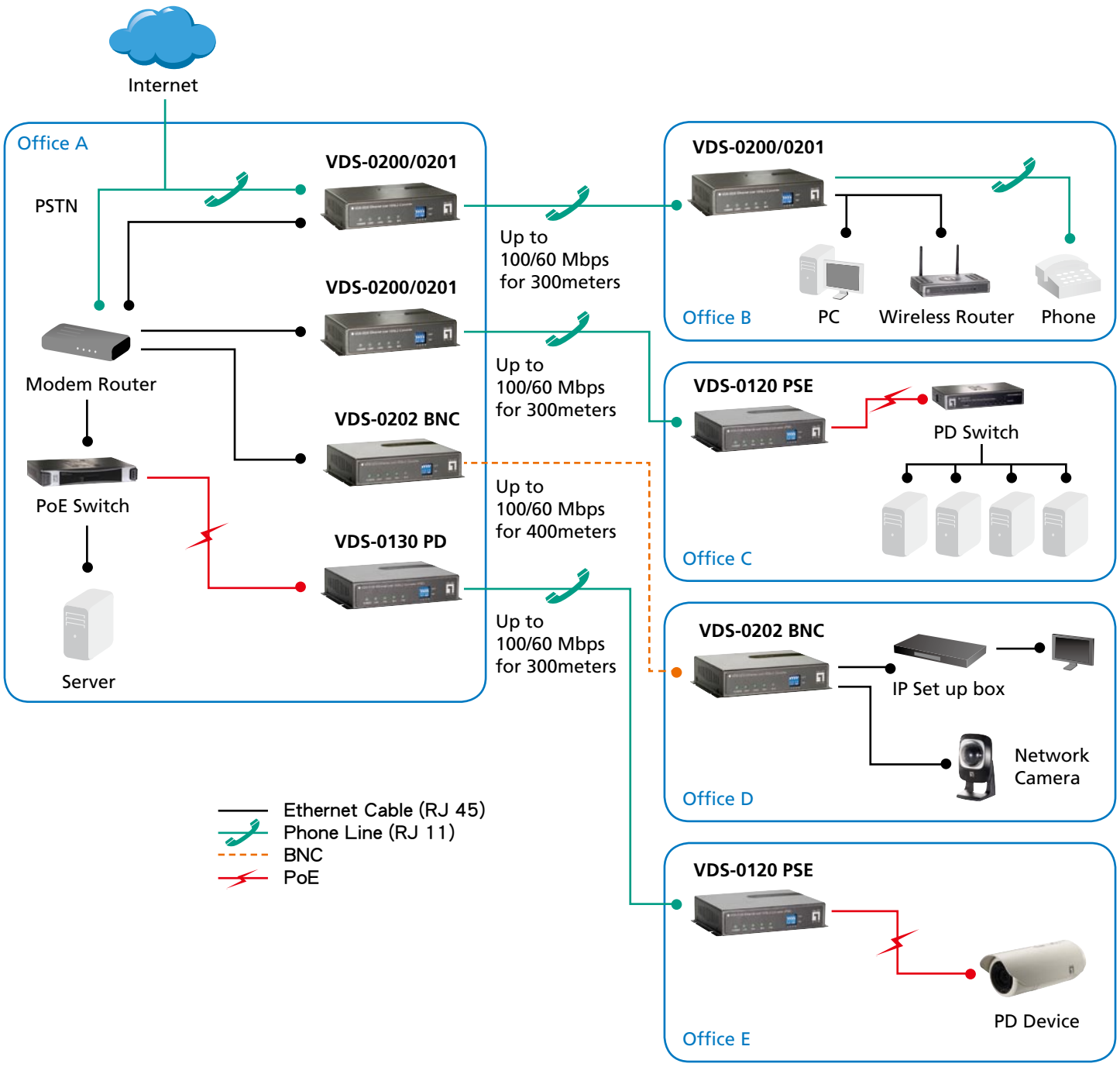
Power Supply
DC 5V, 1A/2A (optional)

Dimension
120mm (L) x 90mm (W) x 28mm (H)

Operating Temperature and Humidity
Operating: 0°C ~ 50°C
Humidity: 5% ~ 95% (non-condensing)

EMI Certifications
CE, FCC Class B

Product Diagram



Order Information

VDS-0201: Ethernet over VDSL2 Converter

Package Contents

VDSL2 Converter
Power Adapter
User Manual
Telephone Line

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